

Galectin-1, human recombinant

CATALOG #: 4648-10 10 µg
 4648-50 50 µg
 4648-1000 1 mg

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE
 Endotoxin level is <0.1 ng per µg

FORM: Sterile filtered and lyophilized from 20 mM Tris, pH 7.5.

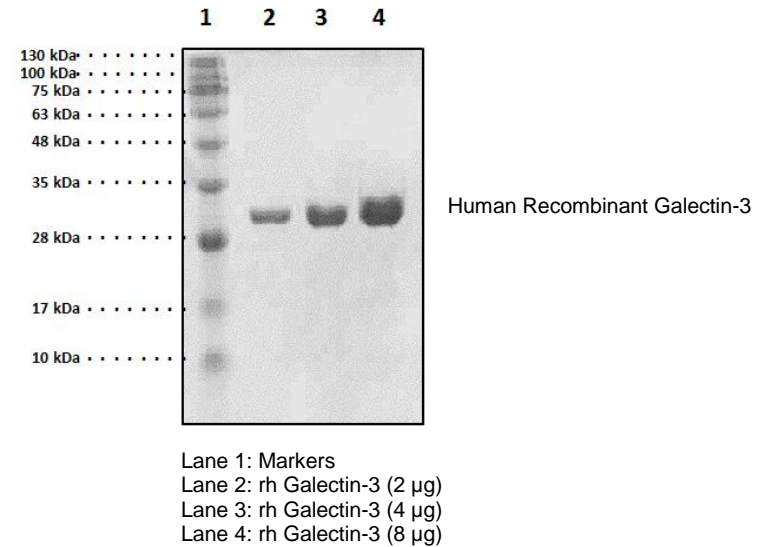
RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20° for future use.

STORAGE CONDITIONS: The lyophilized protein is best-stored desiccated below 0°C. Reconstituted Galectin-1 should be stored in working aliquots at -20°C.

DESCRIPTION: Galectin-1 belongs to growing family of evolutionary conserved animal lectins. Galectins consists of beta-galactoside binding lectins that contain homologous carbohydrate recognition domains (CRDs). Galectin-1 has the ability to induce apoptosis of activated T-cells and T-leukemia cell lines. Other activities include cell differentiation and inhibition activity of CD45 protein phosphatase activity. Galectin also binds beta-galactoside as well as CD45, CD3 and CD4. Recombinant Human Galectin is a 14.5 kDa protein consisting of 134 amino acid residues.

BIOLOGICAL ACTIVITY: Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 µg/ml with a peak response obtained at 250 µg/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.



RELATED PRODUCTS:

- Galectin-3, human recombinant (Cat. No. 4684-10, -50, -1000)
- Galectin-4, human recombinant (Cat. No. 7364-100)
- Galectin-7, human recombinant (Cat. No. 4647-10, -50, -1000)
- Galectin-9, human recombinant (Cat. No. 7365-50)
- Galectin-1 Antibody (Cat. No. 3596-100)
- Galectin-3 Antibody (Cat. No. 3591-100)
- Galectin-3 Antibody (Cat. No. 5684-100)
- Galectin-7 Antibody (Cat. No. 5647-100)
- Galectin-9 Antibody (Cat. No. 3827-100)